

SUIT UP. OR STAND BACK

FIRST RESPONDERS HOW TO DOFF PPE USING **PAPR** POWERED AIR PURIFYING RESPIRATORS

First Responder: _____

Trained Observer: _____ Date: _____

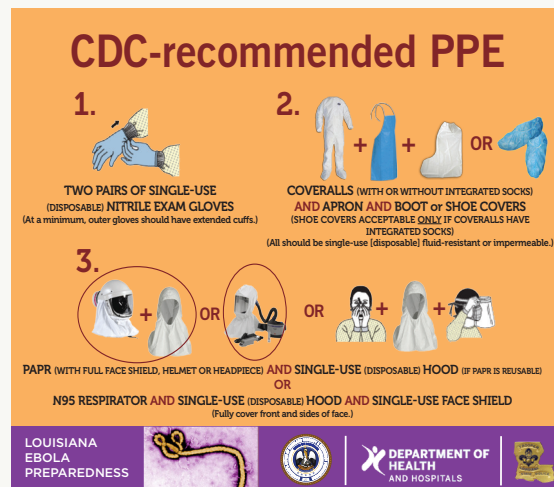
PURPOSE: This checklist has been developed to assist First Responders in the proper donning and doffing of Personal Protective Equipment (PPE), and securing on-scene used PPE.

HOW TO USE: This document should be used by Trained Observers and First Responders in conjunction with:

- The instructional *First Responder Ebola Briefing + PPE PowerPoint* published **November 13, 2014**.
- CDC training videos for donning and doffing PPE (www.cdc.gov/vhf/ebola/hcp/ppe-training/).
- CDC Interim Guidance for Emergency Medical Services (EMS) Systems and 9-1-1 Public Safety Answering Points (PSAPs) for Management of Patients with Known or Suspected Ebola Virus Disease in the United States – **October 28, 2014**. (www.cdc.gov/vhf/ebola/hcp/interim-guidance-emergency-medical-services-systems-911-public-safety-answering-points-management-patients-known-suspected-united-states.html).
- CDC Guidance on Personal Protective Equipment To Be Used by Healthcare Workers During Management of Patients with Ebola Virus Disease in U.S. Hospitals, Including Procedures for Putting On (Donning) and Removing (Doffing) – **October 20, 2014**. (www.cdc.gov/vhf/ebola/hcp/procedures-for-ppe.html).

IMPORTANT NOTES:

- Donning and doffing procedures are **different**, depending on the **type of PPE** selected.
- A **Trained Observer** to verify and **document** successful compliance with the protocol is **required** for proper PPE donning and doffing.



Place and **double bag** used PPE in **large (33 gallon or larger) leak-proof plastic bags**. **Secure** at the scene until picked up by a **State-provided contractor**.

<input type="checkbox"/>	Established Work Zone	<input type="checkbox"/> PPE doffing should be performed in a designated PPE removal area set up prior to donning. <input type="checkbox"/> Remember, doffing area should be located as close to the Hot Zone as safely feasible and set up prior to beginning the donning process.
<input type="checkbox"/>	Prepare to Doff PPE	<input type="checkbox"/> Before entering PPE removal area , inspect and disinfect any visible contamination on PPE including gloved hands , using an EPA-registered disinfectant . <input type="checkbox"/> Step into the pool set up prior to donning and remove any visible contamination using 10% household bleach solution (one [1] part household bleach and nine [9] parts water). <input type="checkbox"/> As used PPE is doffed, drop into leak-proof plastic bags prepared earlier for that purpose. <input type="checkbox"/> Remember: Doffing is your GREATEST RISK of exposure.
<input type="checkbox"/>	Step 1. Engage Trained Observer	<input type="checkbox"/> Using a written step-by-step checklist , the doffing process is also conducted under the guidance and supervision of a Trained Observer , who reads aloud each step of the procedure and visually confirms and documents that PPE is removed properly. <input type="checkbox"/> Trained Observer: <ul style="list-style-type: none"> — Prior to doffing PPE, reminds First Responder to avoid reflexive actions that increase risk of exposure, such as touching the face. — Should minimize touching First Responder or his/her PPE during the doffing process. — May assist with removal of specific components of PPE, as outlined below. — Disinfects outer-gloved hands immediately after handling any First Responder PPE.
<input type="checkbox"/>	Step 2. Inspect	<input type="checkbox"/> Inspect PPE for visible contamination , cuts or tears . <input type="checkbox"/> Disinfect potentially contaminated PPE using an EPA-registered disinfectant wipe or spray (if facility conditions permit and appropriate regulations are followed).
<input type="checkbox"/>	Step 3. Disinfect Outer Gloves	<input type="checkbox"/> Disinfect outer-gloved hands with either an EPA-registered disinfectant wipe OR alcohol-based hand rub (ABHR). Allow to dry .
<input type="checkbox"/>	Step 4. Remove Apron (if used)	<input type="checkbox"/> To avoid contaminating gloves , roll apron from inside (clean side) to outside .
<input type="checkbox"/>	Step 5. Inspect	<input type="checkbox"/> Inspect PPE ensemble again . Look for visible contamination , cuts or tears . <input type="checkbox"/> IF visibly contaminated, disinfect using EPA-registered disinfectant wipe .
<input type="checkbox"/>	Step 6. Disinfect Outer Gloves	<input type="checkbox"/> Use EPA-registered disinfectant wipe or ABHR . Allow to dry .
<input type="checkbox"/>	Step 7. Remove Boot or Shoe Covers	<input type="checkbox"/> Sit down to prevent falling. Avoid legs touching each other. <input type="checkbox"/> While seated, remove and discard boot or shoe covers. — Manufacturer may have additional instructions for the removal of boot covers.
<input type="checkbox"/>	Step 8. Disinfect and Remove Outer Gloves	<input type="checkbox"/> Disinfect outer-gloved hands with either an EPA-registered disinfectant wipe OR ABHR . <input type="checkbox"/> Remove and discard outer gloves, taking care NOT to contaminate inner glove. <input type="checkbox"/> Do not snap gloves, causing spray. Peel glove inside out, containing first glove from one hand inside second glove from other hand.

<input type="checkbox"/>	Step 9. Inspect and Disinfect Inner Gloves	<input type="checkbox"/> Inspect the inner gloves' outer surfaces for visible contamination, cuts or tears. <input type="checkbox"/> IF inner glove is visibly soiled, cut or torn. . . . — Disinfect with either an EPA-registered disinfectant wipe OR ABHR. — Remove inner gloves. <input type="checkbox"/> IF no visible contamination, cuts or tears are identified on inner gloves , disinfect inner-gloved hands with either EPA-registered disinfectant wipe OR ABHR. — Perform hand hygiene with ABHR on bare hands. — Don a clean pair of gloves.
<input type="checkbox"/>	Step 10. Remove Respirator (PAPR)	<input type="checkbox"/> If using PAPR with a self-contained filter and blower unit integrated inside the helmet, wait until Step 15 for removal. Go to Step 11 now. <input type="checkbox"/> If using PAPR with an external belt-mounted blower unit , all components must be removed at this step. — Detach hose from hood. Remove and discard disposable hood. — Disinfect inner gloves with either EPA-registered disinfectant wipe OR ABHR. — Remove headpiece, blower, tubing and belt and battery unit. (This step might require assistance from the Trained Observer.) — Disinfect inner gloves with EPA-registered disinfectant wipe or ABHR again. — Place all reusable PAPR components in a designated container for disinfection.
<input type="checkbox"/>	Step 11. Remove Coverall	<input type="checkbox"/> Tilt head back. CAREFULLY reach under the PAPR hood to locate zipper or fasteners. <input type="checkbox"/> Using two (2) fingers of one (1) hand only , unzip or unfasten coverall completely. <input type="checkbox"/> Roll coverall downward, turning inside (clean side) out. <input type="checkbox"/> Avoid contact of scrubs or disposable garments with outer surface of coverall. <input type="checkbox"/> Touch ONLY the inside (clean side) of the coverall.
<input type="checkbox"/>	Step 12. Disinfect Inner Gloves	<input type="checkbox"/> Disinfect inner gloves again with either an EPA-registered disinfectant wipe OR ABHR.
<input type="checkbox"/>	Step 13. Disinfect Washable Shoes	<input type="checkbox"/> Sit on a new, clean surface (e.g., second clean chair, clean side of a bench). <input type="checkbox"/> Using an EPA-registered disinfectant wipe , wipe down every external surface , including soles, of washable shoes. Avoid touching ankles.
<input type="checkbox"/>	Step 14. Disinfect Inner Gloves	<input type="checkbox"/> Disinfect inner gloves again with either an EPA-registered disinfectant wipe OR ABHR.
<input type="checkbox"/>	Step 15. Remove Respirator (if not already removed)	<input type="checkbox"/> If using a PAPR with self-contained filter and blower unit that is integrated inside the helmet , remove all components. — Remove and discard disposable hood. — Disinfect inner gloves (again) with EPA-registered disinfectant wipe OR ABHR. — CAREFULLY remove and discard inner gloves. — Do NOT contaminate bare hands. — Perform hand hygiene with ABHR. — Don a NEW pair of inner gloves. — Remove helmet and belt and battery unit. (This step might require assistance from the Trained Observer.)
<input type="checkbox"/>	Step 16. Disinfect and Remove Inner Gloves	<input type="checkbox"/> Use EPA-registered disinfectant wipe OR ABHR. <input type="checkbox"/> CAREFULLY remove and discard inner gloves. Do not snap gloves , causing spray. Peel glove inside out, containing first glove from one hand inside second glove from other hand. <input type="checkbox"/> Do NOT contaminate bare hands. Do not touch face or bare skin.
<input type="checkbox"/>	Step 17. Perform Hand Hygiene	<input type="checkbox"/> Perform hand hygiene with ABHR.
<input type="checkbox"/>	Step 18. Inspect	<input type="checkbox"/> Perform a final inspection for any indication of contamination of scrubs or disposable garments. <input type="checkbox"/> IF contamination is identified, immediately notify supervisor before exiting PPE removal area.
<input type="checkbox"/>	Step 19. Scrubs	<input type="checkbox"/> First Responder can leave PPE removal area wearing dedicated washable footwear and surgical scrubs or disposable garments.
<input type="checkbox"/>	Step 20. Shower	<input type="checkbox"/> Showers are recommended for those . . . — Performing high-risk patient care (e.g., exposed to large quantities of blood, body fluids or excreta). — Spending extended periods of time with an Ebola patient.
<input type="checkbox"/>	Step 21. Protocol Evaluation/ Medical Assessment	<input type="checkbox"/> Either the infection preventionist or occupational safety and health coordinator or their designee should meet with the First Responder to review patient care activities performed to identify any concerns about care protocols and to record First Responder's level of fatigue.

